



OVERLANDING SOLAR SOLUTIONS. Built for off-grid lifestyles, Go Power! solar lets you generate power, wherever your adventures take you. From auxiliary power units to portable power stations and full house battery systems, we've got you covered. Complete power solutions for off-road adventures.



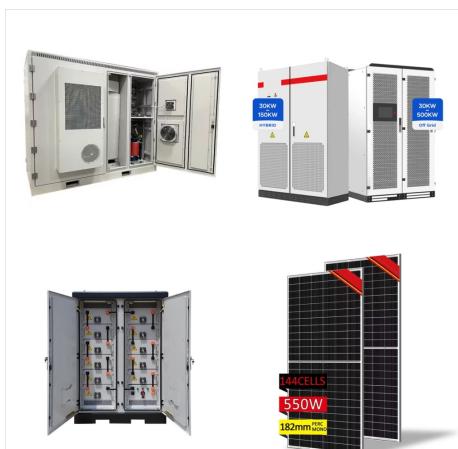
A solar panel can keep the devices you rely on charged when you're deep in the backcountry, whether that's camping, boondocking, backpacking, or traveling. We put each of these chargers through their paces in a myriad of locations and conditions. If overlanding is more your thing, take a look at the best rooftop tents and canopy tents for



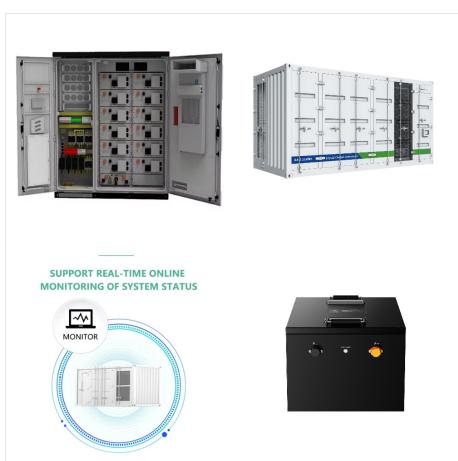
The Grecell 100W Portable (60.3 Wh), Allpowers SPo12 100W Panel (59.2 Wh), Dokio 110W 18V Portable Kit (57.6 Wh), and BioLite Solar Panel 100 (53.6 Wh) also performed well in our direct sunlight solar generation tests. a?|



This integrated approach ensures that your power needs are met with unmatched reliability and performance, giving you the confidence to trust in XPLOR for your off-grid lifestyle. More than just solar panels and battery systems, we provide a comprehensive suite of components designed to connect and optimize your energy needs effortlessly.



To set up solar panels for overlanding, you'll need to have an understanding of the basics. First, we'll break the overland solar setup into a couple of bit-sized components to give you a starting point, and then we'll get into the specifics of installation and recommended brands. Let's get started! Solar Panels



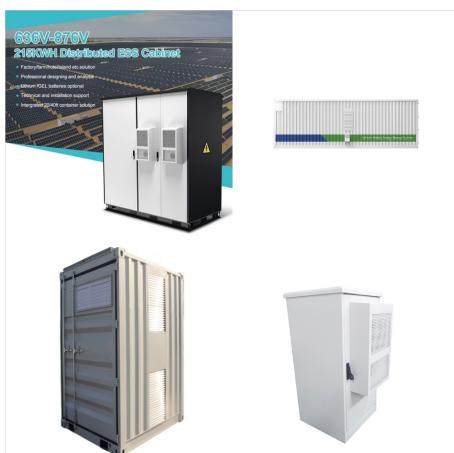
What do you use the power station for? That really affects how much power input you need. With solar you have to keep in mind that you'll never draw the full panels power. There's always loss. So in a 60w panel you might often be drawing 40w (hypothetically). If it's cloudy, partially obscured, not at the perfect angle, in the trees etc.



Renogy Solar Panel. Types of Solar Panels. Solar panels can be divided up into three types: Monocrystalline; Polycrystalline; Thin-Film; While more expensive, monocrystalline offer the highest efficiency and performance. Polycrystalline is a cheaper option but they also have a lower efficiency/performance. Thin-film solar panels offer the advantage of portability and a?



Portable, rugged, and powerful, this 100-Watt lightweight, foldable panel features built-in charging cables for Yeti Portable Power Stations. Combine multiple panels to maximize solar input on your next overlanding trip.

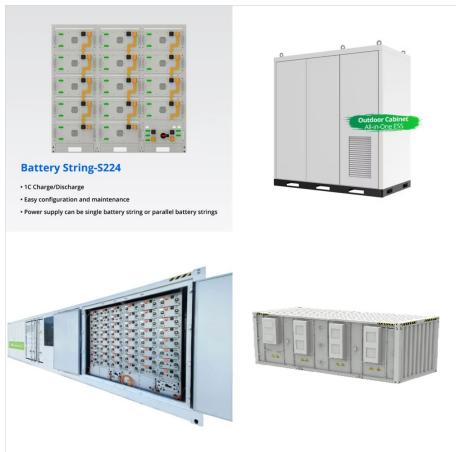


Overlanding rigs may need portable solar panels or custom mounts in addition to mounting solar panels on a roof or rooftop tent to maximize sun exposure. Wiring and Controllers: The wiring and controllers used in an RV solar system will typically be larger and more robust than those used in an overlanding rig due to the higher power demands of

OVERLANDING SOLAR PANELS



Overlanding solar panels are portable, foldable, and lightweight. They are available in different types, including polycrystalline, monocrystalline, and thin-film. How many overlanding solar panels you will need depends on the size and output of the solar panels and the total required power use of all your equipment. Charge Controllers



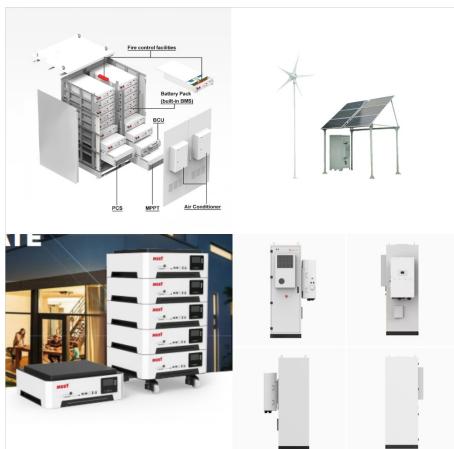
Charge a house battery from solar panel(s) automatically when adequate sunlight is available; Back charge the starting battery from solar panel(s) automatically when adequate sunlight is available Having a 12 volt fridge on long overlanding trips (and even weekend getaways) makes life so much easier. Dry food held at a constant desired



Photo: Jackery. Known as the Jackery Solar Generator for Rooftop Tent, this cutting-edge overlanding essential capitalizes on the standard, triangular, A-framed shape of modern hard-shell rooftop tents. Unlike normal hard-shell RTTs, Jackery's new model replaces the tent's front-facing hard panel with a full-sized solar panel that conceals two additional slide-out a?|



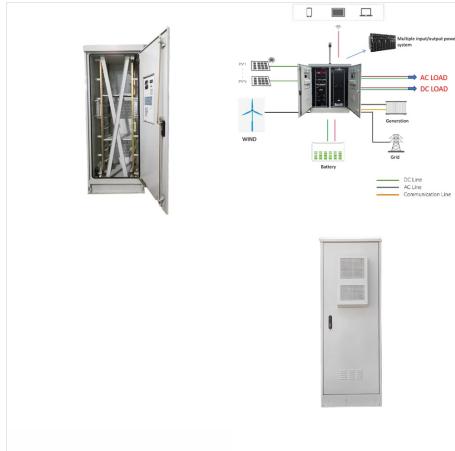
The Bluetti PV120 Solar Panel is one of the best solar panels I've tested. Despite being a similar size and price compared to the Anker SOLIX 100W (a 100-watt solar panel), it produced 16 more watts during testing. The Bluetti a?



Solar panels have become an integral part of the overlanding lifestyle, offering a sustainable and reliable source of power for off-grid adventures. These versatile devices harness the abundant energy of the sun, converting it into electrical power that can be used to charge batteries, power electronic devices, and even run small appliances.



Permanent solar systems require a few pieces to operate smoothly, including: Solar panels; A battery to store the power; A solar charge controller (to ensure you don't overcharge and damage your battery) An inverter if you want to power 110V devices or appliances (REDARC is a popular brand) A fuse or fuse box to prevent fires due to malfunctions



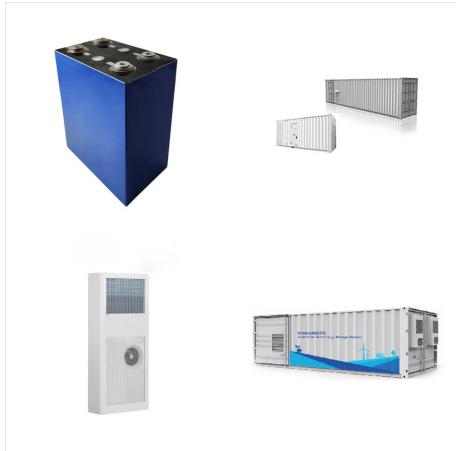
Solar Panels allow overlanders and campers substantial comfort and convenience, regardless of how remote one may be. Let's take a look at some premium overland solar panel systems to figure out which is the best option a?|



Overlanding is always a fun adventure, and going away with friends to explore the wilderness is usually cherishable. To have a memorable experience, you ought t Gain insights regarding what makes the XPLOR series of overlanding solar panels so good for off-grid adventures.



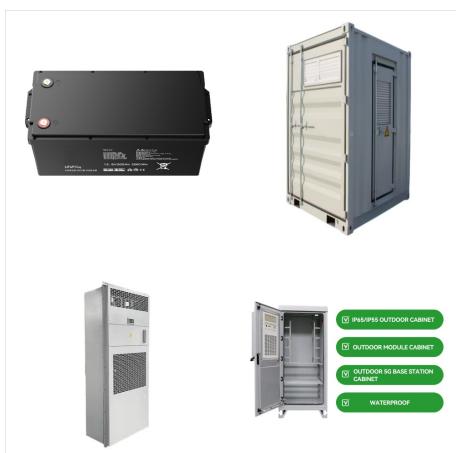
Introducing the Overlandera?c 160W ETFE Flexible Solar Panel - the ultimate power source for adventurers who demand rugged and reliable energy on the go. Designed for overland builds, campers, and RVs, this high-performance solar a?|



A typical portable solar panel system for camping or overlanding consists of the following components: 1. Solar Panel(s) The solar panel converts sunlight into electricity. Portable solar panels are typically made from monocrystalline or polycrystalline cells, which offer varying levels of efficiency and durability.



Introducing the Overlandera?c 160W ETFE Flexible Solar Panel - the ultimate power source for adventurers who demand rugged and reliable energy on the go. Designed for overland builds, campers, and RVs, this high-performance solar panel is trusted by explorers worldwide. Measuring 22 x 58 inches and a mere 4mm thick, the



Under ideal conditions with sufficient sun exposure, it will maximize the solar panel's ability to harness the sun energy(DC). Popular sizes for portable solar panels used for outdoor enthusiasts include PV100 (100W portable solar panel) and PV200 (200W portable solar panel). 2. Overlanding Solar Set Ups



Overlanding solar panels are portable, foldable, and lightweight. They are available in different types, including polycrystalline, monocrystalline, and thin-film. How many overlanding solar panels you will need depends on a?|



Solar panels on our overland truck camper. Each system we build is designed to fit the needs of what it's powering. For our fifth wheel, the system is massive as it's our primary home and runs a lot of power-hungry appliances and computers. In our truck camper, our power needs will be a bit lighter but still substantial. We'll need reliable electricity for our computers, a?|



The 3 solar power options for overlanding are fixed, portable, and flexible or blanket solar power systems. For a fixed panel, the brand Renogy is the most reputable one. A portable, the Jackery brand is on the rise. For a blanket, you can never go wrong with the Top Solar.



Building Tacomas, Tundras, Jeeps, 4Runners, Trucks, SUVs and all 4x4s/4WD vehicles for overlanding, off-roading and all automotive applications. We customize your vehicle for the harshest terrain by specializing in off road accessories and overlanding. We can build your camper, flat bed or perfect offroad four wheeler.



When it comes to choosing the right solar panel for overlanding, there are a few different types to consider. The most common types of solar panels are: Monocrystalline ?? These panels are made using a single cut of pure silicone, making them the most efficient type of panel. However, they are also the most expensive.



Use Solar Power. Those looking for a renewable way to juice up while overlanding may opt for solar for their overland battery setup. Solar power systems convert the energy from the sun into electrical energy using solar panels. Keep in mind that the size of your panel will limit your energy generation. You have to mount the panel on your